

## PATENT ABSTRACTS OF JAPAN

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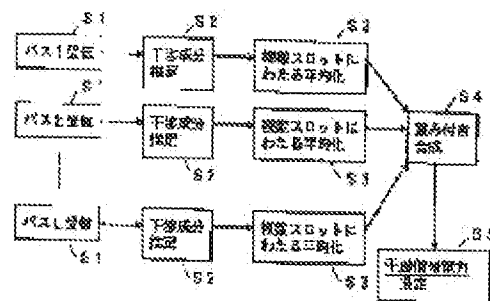
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### (54) INTERFERENCE SIGNAL POWER MEASURING METHOD

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an interference signal power measuring method capable of improving accuracy in the measurement of interference signal power.

**SOLUTION:** Concerning the interference signal power measuring method for a mobile communication system with which the interference signal power is measured while using plural arrival paths inserting plural pilot symbols into an information symbol at prescribed intervals, a reception station has a reception step S1 for receiving plural reception data symbols in respective pilot symbol blocks for each arrival path through which data arrive, interference component estimation step S2 for estimating an interference component in each pilot symbol block based on the said plural reception data symbols, path interference signal power estimation step for estimating the interference signal power on each arrival path based on the said interference component estimated for each pilot symbol block, and synthetic interference signal power estimation step S5 for estimating the synthesized interference signal power of pilot symbol blocks by synthesizing the said interference signal power estimated for each



arrival path later.